UNDP

UNITED NATIONS

DEVELOPMENT

PROGRAMME

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ENGLISH

APPROVAL OF UNDP ASSISTANCE TO A PROJECT OF NEPAL

IPF:(1992-96) $77 772 000

(NEP/92/014) - Bagmati Barrage Gate Supervision, Installation and Commissioning

Date of approval:	1 October 1992
Expected duration:	11 months
Proposed executing agency:	United Nations
Government implementing agency:	Department of Irrigation (DOI)
Proposed UNDP contribution:	$ 416 500 Source of funds: IPF
Total UNDP budget:	$ 416 500

Project background

Given Nepal's extreme geographic and rugged topographical conditions, irrigable land of the country comprises only 13 per cent of the total land surface, i.e., approximately 1.9 million hectares; but, at present only 500,000 hectares of land is receiving the benefit of any sort of irrigation. Nepal is an agricultural country which largely depends upon the agricultural production. Therefore, His Majesty's Government of Nepal (HMG) has given due attention to the development of irrigation systems of all irrigable land of the country.

The Bagmati Irrigation Project is a surface water, gravity fed irrigation system. The system gets the water of the Bagmati river with a barrage immediately South of the foothills. The water will be distributed by Eastern and Western main canals, and by branch canals. The detailed mapping of the land has already been provided under the project NEP/85/036 and will assist in the planning and construction stages of the tertiary canal network. It is imperative that the barrage structure be completed in conjunction with the canal works, before the monsoon of 1993. This will enable DOI to begin organizing farmer-construction work on the tertiary canal. Farmers of Sarlahi, Rautahat and Bara districts will receive direct benefit from this system when completed.

The canal construction work of Bagmati Irrigation Project (BIP) has been planned in two phases. The work of first phase is divided in two stages. The first stage will be completed at the time of barrage commissioning in June 1993, which will cover approximately 30,000 hectares. The second stage will further expand the command area by approximately 45,000 hectares. through the extension of existing canals and construction of additional canals. The work on Phase II is largely dependent on the construction of a hydro dam upstream from the barrage. It is expected that the Bagmati Irrigation project will contribute a 15 per cent increase to the irrigated area in Nepal and will not only reduce the unpredictability of irrigation systems in 75,000 hectares of the Bagmati command area, but will also provide one additional cropping season during the dry month.

Description of project

The immediate objective of the project is to provide consultancy services in the form of an engineering subcontract, for the supervision, installation and commissioning of the Bagmati Irrigation Project (BIP) barrage gates. The project will contribute resources principally for the quality assurance of technical aspects of the construction work carried out by the Chinese contractor for His Majesty's Government.

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Inputs

UNDP will provide consultancy services; an engineering subcontract for the supervision, installation, and commissioning of barrage gates; and miscellaneous costs.

Financial data

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Personnel	7 000
Subcontract	408 000
Miscellaneous	1 500
Total	416 500

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